

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/052293

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B1/707

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 137 201 A (MITSUBISHI ELECTRIC INF TECH) 26 September 2001 (2001-09-26) abstract; figures 3,5,6 paragraphs '0016! - '0019!, '0023! - '0025!, '0039!, '0040! -----	1-24
X	EP 1 143 638 A (MITSUBISHI ELECTRIC INF TECH) 10 October 2001 (2001-10-10) abstract; figures 3,5-11 paragraphs '0003! - '0017!, '0021! - '0025!, '0028! - '0046! ----- -/--	10-15, 21-24



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

18 January 2005

Date of mailing of the international search report

31/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>KLEIN A: "Data detection algorithms specially designed for the downlink of CDMA mobile radio systems" VEHICULAR TECHNOLOGY CONFERENCE, 1997, IEEE 47TH PHOENIX, AZ, USA 4-7 MAY 1997, NEW YORK, NY, USA, IEEE, US, vol. 1, 4 May 1997 (1997-05-04), pages 203-207, XP010228779 ISBN: 0-7803-3659-3 cited in the application abstract</p> <p>-----</p>	1-23
A	<p>"3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical channels and mapping of transport channels onto physical channels (TTD) (Release 4)" 3GPP TS 25.221 V4.2.0, XX, XX, September 2001 (2001-09), pages 1-88, XP002192344 cited in the application</p> <p>-----</p>	1-23

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/052293

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1137201	A	26-09-2001	EP 1137201 A1	26-09-2001
			AT 266284 T	15-05-2004
			AU 4117601 A	03-10-2001
			CN 1365584 T	21-08-2002
			DE 60010426 D1	09-06-2004
			DE 60010426 T2	16-09-2004
			EP 1414170 A1	28-04-2004
			WO 0172070 A1	27-09-2001
			US 2003224755 A1	04-12-2003
			US 2002136177 A1	26-09-2002
EP 1143638	A	10-10-2001	EP 1143638 A1	10-10-2001
			AT 262758 T	15-04-2004
			AU 4463301 A	15-10-2001
			CN 1383640 T	04-12-2002
			DE 60009262 D1	29-04-2004
			DE 60009262 T2	05-08-2004
			EP 1404034 A2	31-03-2004
			WO 0176116 A1	11-10-2001
			US 2004013186 A1	22-01-2004
			US 2003058925 A1	27-03-2003